

Application No.: Not Yet Assigned

AMENDMENTS TO THE CLAIMS

1. (Original) A process for the selective removal of sulphur compounds from synthesis gas containing at least 5% carbon monoxide, at least 5% hydrogen and at least 0.5% carbon dioxide and optionally containing water in a concentration up to saturation at a pressure of at least 15 bar comprising contacting the synthesis gas at a maximum contact temperature of 100°C with an absorbent comprising Cu/ZnO compounds and activated with a reducing gas.

2. (Original) Process of claim 1, wherein the sulphur compounds comprise H₂S and COS.

3. (Currently amended) Process according to claim 1 ~~any one of the preceding claims~~, wherein the synthesis gas contains H₂S in an amount effective for suppression of metal dusting of metals in contact with the synthesis gas within a temperature range between 300°C to Boudouard temperature of the synthesis gas.